PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

See item I below

Priority date (day)month/veat)

31 October 2003 (31.10.2003)

FOR FURTHER ACTION

International filing date (day/month/year)

29 October 2004 (29,10,2004)

International Patent Classification (8th edition unless older edition indicated)

Applicant's or agent's file reference

See relevant information in Form PCT/ISA/237

Box No. VII

Box No. VIII

date (Rule 44bix .2)

G204052 International application No.

PCT/JP2004/016124

	POINT COMPORATION				
1.			report on parentability (Chapter I) is issued by the International Bureau on behalf of the ority under Rule $44\ bis$. (a).		
2.	In the atta	ched sheets, any re-	otal of 5 sheets, including this cover sheet. Generice to the written opinion of the International Searching Authority should be read as a reference ty report on patentability (Chapter I) instead.		
3.	This report contains indicatorus relating to the following items:				
	X	Box No. I	Basis of the report		
		Box No. II	Priority		
	[Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
		Box No. IV	Lack of unity of invention		
	\boxtimes	Box No. V	Reasoned statement under Article 35(2) with regard to novelly, inventive step or industrial applicability; citations and explanations supporting such statement		
		Box No. VI	Certain documents cited		

	Date of issuance of this report 24 July 2006 (24.07.2006)
The International Bureau of WIPO 34, chemin des Colombenes 1211 Geneva 20, Switzerland	Aushurized officer Yoshiko Kuwahara
Facsimile No. +41 22 338 82 70	e-mail; pt07@wipo.int

Certain defects in the international application

Certain observations on the international application The International Burgan will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the upplicant makes an express request under Article 23(2), before the expiration of 30 months from the priority

PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SHARCHING ACTHORITY WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY ON'T Rule 13his to Date of marling (devinessit/scar) Applicant's or agent's file reference FOR FURTHER ACTION G204052 See paragraph 2 below International filing date (day/month/werr) International application No. Priority date (declaranth/year) 29.10.2004 31.10.2003 PCT/JP2004/016124 International Patent Classification (DC's or both national classification and IPC Applicant ZEON CORPORATION This opinion contains indications relating to the following items: Box No. 1 Basis of the opinion Boy No. II Priority Box No III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV lack of unity of invention Reasoned statement under Rule 43bis Itany) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explorations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2 FURTHER ACTION If a demand for international preliminary examination is made this opinion will be considered to be a written resistion of the International Preliminary Examining Authority (*1891A") except that this does not apply where the applicant chooses an Authority other that this one to be the IPLA and the chosen IPLA has partited the international flureau under Rule 66 live in that written opinion, of this International Searching Authority will not be to considered If this opinion is an provided above, considered to be a written opinion of the PEA, the applicant it invited to sobust to the IPEA a written reply together, where appropriate with amendments, before the expiration of 3 months from the date of multing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whicheves expires later For further outloos, see Form PCT/ISA/720.

	Name and against address of the ISA/IP	Assisting and a contract of the contract of th				
	Fuesimite No.	Telephone No.				

For further details, see note: to Form PCT/ISA/200.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING APTROBRITY

International application No PCT/JP2004/016124

Re	No. 3 Bask of this opinion	
ł,	With regard to the language, this equation has been established on the basis of the international application in the language in which filed, only so otherwise indicated under this firm.	est was
	The opinion has been established on the base of a translation from the original language into the following language	
	, which is the language of a translation turnished for the purposes of international search	cinder
	Role 12.7 and 23 (bb).	
:	With regard to any nucleotide and/or unino aid sequence disclosed in the international application and necessity to the currention his opinion has been enablished on the basis of:	9.htm.nt
	a. Type of material	
	a secure on a limiting	
	table or related to the sequence listing	
	b formst of material	
	in written format	
	in computer readable form	
	time of filing/fornishing	
	contained in the international application as filed.	
	liked together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search	
٦	In addition, in the case that more than one version or copy of a sequence listing undoe tabless relating thereto has been furnished, the required settlements that the information in the subsequent or additional copies is identical to that to the application of the copies of the application as filed, as appropriate, were firmfuled.	
ıł.	Additional comments:	

WRITTEN OPENION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/016124

Boy No. 3 Seasoned statement under Kule 43bis, Itali) with regard to novely, inventor step or industrial applicability; citations and explanations supporting such statement.					
1	Statement				
	Novelty (%)	Claims	1-13	yes	
		Claim		NO	
Inventory step (IS)		Claims	1-13	Y115	
		Claims		NO.	
	Industrial applicability (IA)	Claims	1-13	VI.S	
		Claim		NO.	

2 Citations and evolutations:

Document 1: EP 1245630 A1 (The Yokohama Rubber Co., Ltd.), 02 October 2002 Document 2: US 2001/51685 A1 (Bayer Corporation), 13 December 2001

Claims 1-11

The inventions described in claims 1-11 have an inventive step over documents 1 and 2 cited in the ISR,

Documents I and 2 do not describe a conjugated diene based rubber composition containing a mixture of a conjugated diene based rubber-silica mixture (A) obtained by solidifying an aqueous dispersion or solution of a conjugated diene based rubber having (a) a glass transition temperature of -120 to 0°C, and a conjugated diene based rubber (b) having a glass transition temperature being different from that of the above conjugated diene based rubber (a) by an absolute value of 3 to 100°C. On the other hand, the invention of the present application demonstrates favorable effects of a balance in high degree of low fuel consumption, wet grip characteristics, mechanical strength, abrasion resistance, and low temperature impact resistance.

Claim 12

The invention described in claim 12 appears to involve an inventive step over documents 1 and 2 cited in the ISR.

Documents 1 and 2 do not describe that a formed article is formed by cross-linking a conjugated diene based rubber composition containing a mixture of a conjugated diene based rubber silica mixture (A) obtained by solidifying an aqueous dispersion or solution of a conjugated diene based rubber having (a) a glass transition temperature of -120 to PC, and a conjugated diene based rubber (b) having a glass transition temperature being different from that of the above conjugated diene based nubber (a) by an absolute value of 3 to 10PC. On the other hand, the invention of the present application demonstrates favorable effects of a balance in high degree of low fluct consumption, wet grip characteristics, mechanical strength, abrasion resistance, and low temperature impact resistance.

Claim 13

The invention described in claim 13 appears to involve an inventive step based on documents 1 and 2 cited in the ISR.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application for PCT/JP2004/016124

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Documents 1 and 2 do not describe solidifying an aqueous dispersion or solution of a onjugated diene based rubber having (a) a glass transition temperature of -120 to (FC and a silica aqueous solution to obtain a conjugated diene based rubber composition (A), and mixing the a conjugated diene based rubber composition (A) with a conjugated diene based rubber (b) having a glass transition temperature being different from that of the above conjugated diene based rubber (a) by an absolute value of 3 to 100°C. On the other hand, the invention of the present application demonstrates favorable effects of a balance in high degree of low fatel consumption, wet grip characteristics, mechanical strength, abrasion resistance, and low temperature impact resistance.